Cole Bardin
Jeremy Mathews

G09

A = 0xC34E
B = 0x0077
C = 0xABCD

A = 0b 110000 110100 1110
B = 0b 000000 00001101011
C = 0b 1010101111001101

$X = \sim(A \& B) | C$
$Y = \sim B \& (A \wedge C)$

X: A: 1100001101001110
         B: 0000000001110111
    A&B: 0000000001000110
$\sim$A&B: 1111111110111001
         C: 1010101111001101
$\sim$(A&B)|C: [1111 1111 1111 1101]   X = 0xFFFD

Y: $\sim$B: 1111111110001000
    A^C: 0110100010000011
$\sim$B&(A^C): [0110100010000000]   Y = 0x6880